



MCCLELLAN AFB CALIFORNIA

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 7629



DEPARTMENT OF THE AIR FORCE
AIR FORCE REAL PROPERTY AGENCY

OCT 16 2012

MEMORANDUM FOR SEE DISTRIBUTION

FROM: AFRPA Western Region Execution Center
3411 Olson Street
McClellan CA 95652-1003

SUBJECT: Restoration Advisory Board Meeting Minutes, 19 June 2012

1. Attached please find the final minutes from the 19 June 2012 McClellan Restoration Advisory Board (RAB) meeting held at the North Highlands Recreation Center as approved by the RAB members at the September 2012 meeting.
2. If you have any questions or comments, please contact Ms. Mary Hall, at (916) 643-1250, extension 232.

A handwritten signature in black ink, appearing to read "St K Mayer", is positioned above the printed name and title.

STEVEN K. MAYER, P.E.
BRAC Environmental Coordinator

Attachment:
Final Meeting Minutes, 19 June 2012

DISTRIBUTION LIST**Final 19 June 2012 McClellan Restoration Advisory Board Meeting Minutes****Electronic Copies**

Robert Blanchard, RAB
Dana Booth, RAB
William Clements, RAB
Paul Green, Jr., RAB
Alan Hersh, RAB
Glen Jorgensen, RAB
Randy Orzalli, RAB
Paul Plummer, RAB

Hard Copy

Gary Collier, RAB
Carolyn Gardner, RAB
Tina Suarez-Murias, RAB
Felicia Elkinson, community
Frank Miller, community
Mars Pastor, community
McClellan Admin Record

Marilyn Erbes, Senior Field Representative, Congressman Dan Lundgren
Trent Sunahara, Field Representative, Congresswoman Doris Matsui

Charnjit Bhullar, US EPA
SJ Chern, US EPA
Viola Cooper, US EPA
Bob Fitzgerald, US EPA
Barbara Maco, US EPA
John Harris, DTSC
Radhika Majhail, DTSC
Stephen Pay, DTSC
Marcus Simpson, DTSC
Jose Salcedo, DTSC
Mark Clardy, Central Valley Regional Water Quality Control Board
James Taylor, Central Valley Regional Water Quality Control Board
Kent Craney, Sacramento County
Kathy Gallino, Sacramento County

Phil Mook, AFRPA
Steve Mayer, AFRPA
Linda Geissinger, AFRPA
Paul Bernheisel, AFCEE
Joe Ebert, AFCEE

Brian Sytsma, Air Force contractor
Mary Hall, Air Force contractor

Andy Cramer, CH2M Hill
Ben Malisow, TetraTech
Dave Jones, Sacramento Suburban Water District
Warren Jung, Sacramento Suburban Water District
Warren Myhre, community

**McClellan Air Force Base (AFB)
Restoration Advisory Board (RAB) Meeting Minutes FINAL
19 June 2012 -- McClellan, California**

Time: 6:30 PM

Place: North Highlands Recreation Center

North Highlands, California

RAB Member Attendees

<u>NAME</u>	<u>AFFILIATION</u>
ROBERT BLANCHARD	RIO LINDA-ELVERTA COMMUNITY
DANA BOOTH	SACRAMENTO COUNTY, LOCAL REUSE AUTHORITY
BOB FITZGERALD	U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)
GARY COLLIER	WEST SIDE OF BASE, PARKER HOMES
PAUL GREEN	EDUCATION COMMUNITY
STEVE MAYER	AIR FORCE REAL PROPERTY AGENCY; CO-CHAIR
TINA SUAREZ-MURIAS	ENVIRONMENTAL COMMUNITY
JAMES TAYLOR	CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

I. Welcome, Introductions and Agenda

Mr. Bill Davis welcomed everyone to the meeting and introduced himself as the meeting facilitator. Attendees signed the sign-in sheet (Attachment 1), and picked up available handouts. Mr. Davis went over the agenda (Attachment 2) and the general format of the meeting, including how to be recognized as a speaker during the meeting and when to ask questions.

Mr. Davis invited the RAB members to introduce themselves and the stakeholder groups they represent. He invited members of the audience to introduce themselves and state if they have an interest in a particular issue.

II. March 2012 Minutes

Mr. Davis asked if there were any comments or changes to the March 2012 meeting minutes. There being no comments or changes, the minutes are considered approved.

III. Community Co-chair Update

There was no community co-chair update.

IV. Air Force Cleanup Update

Field Review

Mr. Mayer presented the *BRAC Cleanup Team and Stakeholder Meeting Field Review* for June (Attachment 3) and the *Key Documents* (Attachment 4). Only information and comments not presented in the attachment are recorded in these minutes.

Mr. Mayer noted that the Groundwater Cleanup program is now operating under a new performance based contract. Several SVE wells will be shut down for rebound study later this year. Regarding the Non-time Critical Removal Action projects, Mr. Mayer said the goal is to get the sites cleared for unrestricted release for radiological contaminants.

RAB discussion

Mr. Green asked what is discing? Mr. Mayer explained that it is a farm implement to break the soil and surface vegetation to create a fire break.

Mr. Collier asked if the Air Force would be conducting any soil assessment at Bldg. 252 once the slab is removed. Mr. Mayer said yes, the second phase in the project is soil remediation after the building is removed. The slab will then be removed and the contaminated soil will be removed, which is why the building had to be removed in the first place. Confirmation sampling will be conducted and when cleanup goals are confirmed, the hole will be backfilled. The sewer alignment south of the building also has to be remediated.

Mr. Collier asked if the concrete from the slab will be used for streets or other projects. Mr. Mayer said it will be used for backfill at the site. Mr. Collier asked what McClellan Park and the County think of that building being used as backfill. Mr. Booth stated that as long as it meets the geotechnical requirements it is fine.

Mr. Collier asked if it is possible for RAB members to go the dispute meeting regarding the ecological sites. Mr. Mayer said it would be an internal meeting with the regulators. Mr. Fitzgerald said that while he hasn't spoken with the EPA project manager for the project, Mr. Charnjit Bhullar, he thought the other agencies would prefer to meet with just the Air Force and the agencies to get their issues out on the table. He said there are still some questions about whether everyone is reading from the same set of data.

Mr. Collier said that as he recalled, members from the previous RAB were allowed to sit in on dispute meetings and asked if that were the case. Mr. Fitzgerald said he has only been on the McClellan project for one dispute meeting, the Small Volume Sites, and that was for only agency representatives and the Air Force. He explained that disputes are disputes between the agencies over the right way to approach a cleanup remedy.

Mr. Green asked if there had been a dispute since the dispute over VOCs in groundwater in which the Air Force and the agencies were disputing a cleanup level in the parts per billion

range. He asked if that was the same type of issue in the Eco Sites dispute because he thought it was insignificant.

Mr. Mayer explained that there have been several disputes in the McClellan cleanup program. The major was in the groundwater cleanup in which the dispute resolution was resolved at 5 ppb for the TCE cleanup level, which is the national standard.

The issue in the Eco Sites is what level of cleanup to achieve in the creeks in the West Nature Area and the off-base creeks. Mr. Green asked what would be wrong with allowing Mr. Collier to attend the meeting as a community member and voice the community's perspective.

Ms. Suarez-Murias asked who has responsibility for the stretch of Don Julio Creek that is off base on the northwest side and if the Air Force has no cleanup program for that stretch, why is it shown on the map. Mr. Mayer said it is shown for completeness to show the entire stream reach. He said there is no cleanup planned for the concrete lined ditch or for the stretch off base.

Mr. Mayer explained that the dispute centers partly on what are the contaminant levels in the streams flowing into the base. How much effort should the Air Force spend cleaning up sections of the creeks when the "ambient" level or natural load from the surrounding communities is going to put it back to the pre-cleanup levels. The Air Force position is that those sections don't warrant cleanup activity.

Mr. Mayer said they also look at the risk to the human and ecological receptors. The investigations looked at agreed upon cleanup levels and no-effect levels. The Air Force and regulators have to decide does it make sense to tear up the creeks to go after something that is in that no-effect level.

Ms. Suarez-Murias asked if it is somewhat a question of fairness in terms of who is responsible for clean up if it doesn't appear that the Air Force added anything to the contamination. Mr. Mayer stated that where the Air Force is responsible for significant elevated readings, the Air Force is taking actions to remove those sediments. Where there are readings at ambient levels, the Air Force position is that it doesn't make sense to put forth the dollars to do that cleanup.

Ms. Suarez-Murias said the community has to grapple with how to resolve cleanup when the contaminants are flowing into McClellan and then on downstream.

Mr. Mayer said that the contaminants flowing into McClellan are non-point source, such as pesticides and other chemicals used throughout the surrounding area. It isn't pristine water coming in.

Mr. Collier said he is still concerned about Magpie Creek. He said worm studies in the 1990s showed there was a lot of stuff coming out (of the base). He asked how the Air Force is differentiating contaminants flowing from the old industrial wastewater treatment plant. Mr. Mayer said the AF collected data across the base and off base, starting on the east side. This provides a complete set of data and has a good understanding of the sediment situation both on and off base. That data is available in the Ecological Sites Remedial Investigation/Feasibility Study and the Ecological Risk Assessment. That information is supporting the decision being put forth now.

Mr. Green asked what the governor actually reviews for the FOSETs. Mr. Mayer said the early transfer requires the governor's approval of the transfer packet including the restrictions on the property. He said it is an administrative process. Mr. Green asked who actually reviews it. Mr. Mayer said it is primarily done by the Department of Toxic Substances Control and it has taken months/years to get the staff package ready to go to the governor's office. The governor doesn't provide input. It is an executive signature process.

Mr. Booth noted that the package won't go to the governor until there is a 30-day notice in the Federal Register of the agreement between the regulatory agencies and McClellan Business Park contractually obligating the park to clean up the property. That will happen in July, after which the package will start on its way to the governor.

Ms. Suarez-Murias asked what IRP stands for. Mr. Mayer said installation restoration program and it refers to the entire cleanup program at the base, which includes a little more than 300 sites. She asked if the FOSET parcels include the IRP sites and she was confused because it seems to be the same location as discussed earlier in the Non-time critical removal actions and she isn't clear on who has responsibility for the cleanup.

Mr. Mayer said the Air Force has the responsibility for all radiological cleanup. Potentially some of those sites may have other contamination that will need to be addressed under the privatized cleanup. The EPA will prepare the Proposed Plan and ROD for the sites in the FOSET #2 parcel. That will determine which of the 120 sites in that parcel will be action or no-action sites.

She asked if the transfer meant the title is being transferred, but the responsibility for cleanup is retained by the AF. Mr. Mayer said the cleanup responsibility goes with the privatization. Mr. Booth explained that for the first transfer a delayed transfer was designed for sites with radiological contamination. Sites with radiological contamination in the FOSET parcel are delayed until they are cleared of rad contamination. They are then transferred from the Air Force through the County to McClellan Business Park which is responsible for any non-rad contamination cleanup. Any parcel designated for other public agencies, such as the County or SMUD are transferred to those entities after McClellan Park completes the cleanup because the Park has to own the property to clean it up.

Questions from the public

Mr. Miller asked how much soil would be removed from beneath Building 252. Mr. Mayer said approximately 3,000 cubic yards.

V. Local Reuse Authority Activities

Mr. Booth announced that he will no longer be a member of the RAB. He has a new position with the County Department of Water Resources as the storm water program manager. The new LRA representative will be Kathy Gallino, formerly Broderick, with the County Department of Economic Development. Kent Craney will attend on occasion also. Mr. Craney gave a presentation on the Freedom Park Drive project. (Attachment 5) Only information and comments not presented in the attachment are recorded in these minutes.

RAB discussion

Questions from the public

Mr. Miller asked who would maintain the landscaping and drainages and how would it be financed.

Mr. Craney said the roadway and swells would be maintained by the County. Landscaping usually is maintained through a landscape assessment district. Mr. Booth said it would be maintained in the same manner as all other landscaped streets in the county.

A community member asked what happens to landscaping during the next drought years. Mr. Booth said plants are picked for these projects because they are drought tolerant.

VI. Privatized Cleanup Update

Mr. Fitzgerald gave a presentation on the status of the Privatized Cleanup projects (Attachment 6). Only information and comments not presented in the attachment are recorded in these minutes.

RAB discussion

Mr. Green requested that RAB meeting dates be considered when document deadlines are established so that due dates are before RAB meetings rather than very shortly after. This would make it possible for them to be reported to the RAB in a more timely manner than three months later at the next RAB meeting. Mr. Fitzgerald noted that some of the dates listed may not be particularly relevant for the RAB because they are interim steps. After the EPA signs a document (such as a ROD) it still has additional signatures in the process before the document is final.

Mr. Booth noted that the ROD is a legal document that is reported to the RAB as a milestone, not as a document for the RAB to review and comment on.

Questions from the public

There were no clarification questions from the public.

VII. Regulatory Update

There were no regulatory agency updates.

IX. Public Comment

Frank Miller: I think you all had planned to vote for a community co-chair tonight. Once again I would like to remind you that you do not have a quorum here tonight. Also, according to the Restoration Advisory Board Rule Handbook, March 2007. It states that it is the responsibility of the meeting management to review the interest as to whether or not there needs to be a RAB every 24 months. That can be located, that information is then located on page 3 of this book, where it says that you must assess community interest every 24 months while environment restoration activities are still ongoing. So that's another point to consider. And moving along to page 14, on page 14 in a page entitled "What are the Roles and Responsibilities of a RAB

Participant”, community members, it states that it is the responsibility of a community member to review and evaluate and comment on documents and other materials related to restoration. Again, the keyword is “evaluate.” I’ve stated before that I do not believe that there are members here who have the capability to evaluate a technical report. Moreover, about the minimum number of participants at a RAB meeting according to this document, should be at least 10. Should be at least 10. You have insufficient community interest and a dysfunctional board. With that in mind, the community RAB member board should be adjourned, dissolved and you all should take a seat here in the audience like the rest of the people and we get along with a meeting that is a more open, a more open and American style meeting.

VIII. McClellan Focused Strategic Sites

A video providing an overview of the Focused Strategic Sites project was presented. (The video is available for viewing by contacting AFRPA Public Affairs at 916-643-1250, ext 232 or at afarpa.west.pa@us.af.mil.) Mr. Mayer introduced the video stating that it was produced with in-house resources and is designed to be a tool to provide an overview of the Focused Strategic Sites project and allow interested parties to see the sites and develop a better understanding of the issues and the cleanup remedies.

RAB discussion

Questions from the Public

A community member asked how the materials in the drums were disposed. Mr. Mayer explained that the drummed materials from CS-010 were sorted and sent to landfills. Radiologic materials were put in large barrels and then sent to a rad-licensed landfill in either Utah or Idaho. In addition to the drummed material, about half the soil, approximately 25,000 yards, was shipped to a licensed landfill by railcar.

IX. McClellan Follow-on Strategic Sites

Mr. Mayer gave a presentation on the Follow-on Strategic Sites at McClellan (Attachment 7). Only information and comment not presented in the attachment are recorded in these minutes.

RAB discussion

Mr. Collier asked if this would be the last project at McClellan. Mr. Mayer said yes, this is the last Air Force project. He noted that the Air Force has a directive to reach site closure by 2015, and it looks like McClellan is on track to do that.

Mr. Blanchard asked if there was a cumulative cost estimate for the entire McClellan cleanup. Mr. Mayer said he did not know the latest figure. He said the Focused Strategic Sites project was estimated to be approximately \$500 million if the soils had to be shipped offsite. With the approved remedy including construction of the consolidation unit onsite, the cost is now in the \$50 million to \$60 million range.

Mr. Blanchard said that everyone has done a great job to show what can be accomplished at a reduced cost and he is proud of that. He asked if other bases are using McClellan as a role model.

Mr. Mayer said this savings had a 25 percent reduction over the entire BRAC program.

Ms. Suarez-Murias asked if there will still be groundwater and vapor extraction treatment ongoing. Mr. Mayer said yes. She asked if the savings come from the soils being disposed of onsite. Mr. Mayer said yes, He noted that ongoing work also includes monitoring of capped sites.

Mr. Collier asked if there is an objective analysis of the savings from privatization. Mr. Mayer said he is not aware of any study at this time as the program is still new. He pointed out that the cost savings from the Focused Strategic Sites are not related to privatization. He added that the competitive bidding process for these engineering projects typically also results in cost savings for the Air Force.

Questions from the Public

There were no questions from the public.

X. Community Co-chair Elections

This item was tabled until the next meeting.

XI. RAB Members' Questions, Advice, Comments, and Announcements

Mr. Taylor thanked Mr. Booth for his hard work on the RAB and stated that he will be missed. He said Mr. Booth has represented the County well.

Mr. Blanchard said he appreciated the video and he would like to make it available to groups in his community.

Mr. Mayer thanked everyone for coming and for the good discussions. He noted this summer will be a very active summer for cleanup activities at the base.

The next RAB meeting is scheduled for September 18, 2012 at 6:30 p.m. at the North Highlands Recreation Center.

Mr. Davis adjourned the meeting at 9:00 p.m.



McClellan Restoration Advisory Board Meeting

Tuesday, June 19, 2012

Add to
Mailing
List?

Name/Organization	Address	Email	Add to Mailing List?
Ladhika Majhail			
FELICIA ELKINSON			
Ben MacIsaac/TERRA TERRA			
Frank Miller			
BOB FITZGERALD / ^{US} EPA			
Andy Crang			
Kent Crang			
JAMES Taylor			
Jose Salcedo			
DAVE JONES			
Kathy Gallino			



McClellan Restoration Advisory Board Meeting

Tuesday, June 19, 2012

Name/Organization

Address

Email

Add to
Mailing
List?

Tina Suarez-Murcia

MARS PASTOR

McClellan Restoration Advisory Board (RAB) Meeting
North Highlands Recreation Center
Tuesday, June 19, 2012, 6:30 – 8:30 pm

AGENDA

<u>TIME</u>	<u>TOPIC</u>	<u>LEAD</u>
6:30 – 6:35	Welcome & Introductions	Bill Davis, Facilitator
6:35 – 6:45	Agenda & Comments on March 2012 Minutes	Bill Davis, Facilitator
6:45 – 6:50	RAB Co-chair Update	Community Co-chair Glenn Jorgensen
6:50 – 7:05	Air Force Cleanup Update <i>Goal: Provide an update of current field activities and key documents.</i> <i>Process: Presentation and Q&A</i>	Air Force Steve Mayer
7:05 – 7:15	Local Reuse Authority Activities <i>Goal: Provide an update of Local Redevelopment Authority activities.</i> <i>Process: Presentation and Q&A</i>	LRA Dana Booth/ Kent Craney
7:15 – 7:25	Privatized Cleanup Status <i>Goal: Update the RAB and community about the privatized cleanup projects, and discuss issues as necessary.</i> <i>Process: Presentation and Q&A</i>	EPA Bob Fitzgerald
7:25 – 7:30	Regulatory Update	Regulatory Agencies
7:30 – 7:50	McClellan Focused Strategic Sites <i>Goal: Provide an overview of Focused Strategic Sites</i> <i>Process: Video presentation and Q&A</i>	Air Force Steve Mayer
7:50 – 8:00	McClellan Follow-on Strategic Sites <i>Goal: Provide an overview of Follow-on Strategic Sites</i> <i>Process: Presentation and Q&A</i>	Air Force Steve Mayer
8:00 – 8:10	Public Comment <i>Goal: Provide opportunity for members of the public to comment.</i> <i>Process: Public members fill out a comment card indicating their desire to speak. The facilitator will call each person to the microphone. Speakers are asked to limit their comments to 3 minutes, however, more time may be allowed as necessary and available.</i>	Bill Davis, Facilitator
8:10 – 8:20	RAB Community Co-chair Elections <i>Goal: To elect a community co-chair for the coming year.</i> <i>Process: Nominations from RAB members at the meeting and vote by show of hands.</i>	RAB
8:20 – 8:30	RAB Members Advice, Comments, & Announcements <i>Goal: Solicit advice from each RAB member for upcoming agendas, and provide an opportunity for RAB members to express brief comments and/or make announcements.</i> <i>Process: Around the table for each member to offer agenda suggestions, comments, and announcements; comments will be recorded and will form future agendas.</i>	RAB

Next McClellan RAB Meeting: Tuesday, September 18, 6:30 p.m.

MEETING GUIDELINES

Ground Rules

- *Be progress oriented*
- *Participate*
- *Speak one at a time*
- *Be concise*
- *Use "I" statements when expressing opinions*
- *Express concerns and interests (not positions)*
- *Be respectful*
- *Focus on issues not personalities*
- *Focus on what CAN be changed (not on what can not be changed)*
- *Listen to understand (not to formulate your response for the win!)*
- *Draw on each others' experiences*
- *Discuss history only as it contributes to progress*

Facilitator Assumptions

- *We are dealing with complex issues and no one person has all the answers*
- *Open discussions ensure informed decision making*
- *Managed conflict is good and stimulates creativity and innovation*
- *All the members of the group can contribute something to the process*
- *Everyone is doing the best they can with the knowledge they have now*
- *Blame is unproductive and dis-empowering*

**BRAC Cleanup Team and Stakeholders Meeting
20 June 2012****FIELD REVIEW:****Groundwater Program Activities****a) McClellan Ground Water Treatment System (GWTS)**

The GWTS is operating at approximately 1450 gpm (100% uptime); with the following extraction wells (EW) shut down because VOC concentrations are less than the MCLs:

- OU A: EW-336, EW-435, EW-456 (A/B groundwater monitoring zone)
- OU B: EW-443 (A), EW-307 (C)
- OU C: EW-137 (B), EW-446 (A), EW-144 (A/B)
- OUD: EW-86 (A/B)
- OUG&H: EW-451 (B)

The above wells are being monitored for rebound.

EW's 301, 302, 412, 414 and 424 (CP-13) are shut down due to vandalism. Repairs are scheduled for the week of June 18th.

New OU D extraction well and OU A central monitoring wells (PZ-834, 835, and 836) were installed in December and early January. OU A central wells were sampled as part of 1Q12 event. EW-497 has been operational since 20 February 2012. Flow to Beaver Pond was restored on June 11 with the Beaver Pond water level currently at 2.0ft. The CERCLA treatment system is operational. The ion exchange system is operating normally.

b) Ground Water Monitoring Program (GWMP). The 3Q12 groundwater sampling event will begin on 2 July 2012. Thirty-day notice was sent out on 1 June 2012.

Davis GWTS - Davis GWTS is shut down. Submitted the Draft Final Decommissioning Work Plan incorporating RWQCB comments. Conducted asbestos containing building materials (ACBM) survey; lead based paint (LBP) survey and survey of other environmentally sensitive materials at the GWTP and associated infrastructure scheduled for decommissioning. Received data for an additional groundwater sample for VOC analysis from monitoring well MWB-26 collected on May 21, 2012 to confirm the April 2012 sample results. Met with RWQCB on 05 June 2012 to discuss the Spring 2012 Semiannual Groundwater Sampling Results and Site Closure Strategy.

Soil Vapor Extraction (SVE) Program Activities**c) Soil Vapor Extraction (SVE) Systems**

(10 of 14 SVE systems are operating, removing vapors from 10 of 14 SVE sites).

System uptime is calculated for the month of May 2012.

2Q12 SVE DRE sampling is underway.

- 1) IC 1 SVE is operating normally. (100% uptime)
- 2) IC 7 SVE is operating normally. (100% uptime)
- 3) IC 19/21 Flameless Thermal Oxidizer (FTO) is operating normally, treating vapors from IC 19 only. (100% uptime)
- 4) IC 19/21 VGAC is not operating. System was shut down for a rebound study (IC 21) on 21 April 2008.
- 5) IC 23 SVE site was closed by the Final SVS RICS-FS STOP Evaluation in June 2011. SVE system/vapor well decommissioning was completed in December 2011.
- 6) IC 31 SVE is operating normally (IC 31 only) (100% uptime). The system was restarted on 8 June 2011 after a rebound study and STOP analysis that began on 11 January 2008, extracting only from new SVE well EW-492 (screened 8-40 ft. bgs, installed February 2011). IC 34/35/37 FTO system is operating normally (100% uptime), extracting from IC 37 wells only.

NOTE: *Italicized text represent update changes*

Margin or Underlined text represent corrective changes

BCT & RPM Field Activities Update 20 June 2012

- 7) IC 34/35/37 VGAC was restarted 2 February 2012 and is operating normally (100% uptime), extracting for IC 34 and IC 35 wells. The system went to direct discharge on 15 May 2012.
- 8) IC 42 SVE is not operating; the system was shut down for a rebound study on 11 July 2007.
- 9) OU C1/PRL 66B FTO system is operating normally, treating vapors from OU C1 only. (100% uptime)
- 10) OU C1/PRL 66B VGAC is not operating. The system was shut down for a rebound study (PRL 66B) on 17 July 2008.
- 11) OU D VGAC is operating normally. (100% uptime)
- 12) OU D Thermal Oxidizer is operating normally. (100% uptime)
- 13) *B243 (PRL S-015 and PRL S-008)/PRLS-039 SVE is operating normally, treating vapors from PRL S-008 only. (100% uptime)*

Petroleum, Oil, and Lubricants (POL) Cleanup Activities

d) POL Program:

- a) **PRL S-40, Biovent System** – *Shutdown for rebound 1 June 2012. The draft 1Q12 report was issued 1 June.*
- b) **The Basewide Fuels Investigation** – *The Bldg 4 and Bldg 1036 biovent systems were shutdown for rebound 1 June 2012. The draft 1Q12 report was issued 1 June.*

Radiation Program Activities

c) Radiation Program.

- 1) CS-10 – Site inspections are being conducted weekly.
- 2) SVS and B252 NTCRA – *Abatement work and utility relocations have been completed at B252. Demolition began on June 18. The water diversion was installed in Magpie Creek and excavation work at SA 109 began on June 18.*
- 3) FOSET #3 NTCRA – *The Action Memo has been submitted as pre-final and comments were received. The Action Memo will be finalized in late June. Comments on the draft RAWP are due 25 June. If needed a TWG/conference call will be scheduled for 29 June to discuss agency comments received on the draft RAWP. Pre-construction surveys for wildlife and state-protected plants at the vernal pools were conducted. Survey results are prepared and will be included in the pre-final RAWP. Vernal pools in areas of excavation and haul route were marked. Land survey of the proposed excavations was performed in June. Encroachment permits are completed and coordination with MBP for field work has begun. Additional delineation sampling was performed at Northwest Taxiway for PCBs. The Sampling of the clean soils holding area was completed.*

Soil Remediation, Investigation and Management Activities

- d) **OU D Cap O&M.** The 4QCY11 and Annual Cap Inspection Report has been issued. The 2Q inspection will be scheduled after mowing of the cap is completed in late May or early June.
- e) **Skeet Range Site Investigation** —The AF contractor completed the remedial action field work by the end of February. The Draft Remedial Action Completion Report was submitted to the regulatory agencies for review on 19 April 2012. EPA and RWQCB have submitted comments. *DTSC indicated they would submit their comments on 18 June 2012.*

Wetlands/Habitats Management Maintenance and Miscellaneous Activities

- f) **Ecological Sites Proposed Plan/ROD** - A meeting was held on 1 June 2012 to discuss informal dispute comments and issues. *A follow-up meeting is planned for 22 June.*
- g) **Firebreak Maintenance** – *Annual AF Disking and Mowing was completed by June 1, 2012. Sacramento County Airfield disking to be completed on 20 June, 2012.*

Current Key Documents and Events of Interest to the RAB 19 June 2012 RAB Meeting

	Document	Document Description	Status	FOSET
1	AOC 314 and PRL S-030A (FOSET #1) Non-time-critical Removal Action (NTCRA) Work Plan	Details the work plan for the cleanup action. This is taking place as a non-time-critical removal action to facilitate property transfer and takes the place of an RD/RAWP in the CERCLA process.	Draft in agency review. Field work to be done in Summer 2012.	FOSET #1
2	Small Volume Sites (FOSET #2) NTCRA Work Plan	Defines removal action plan and takes the place of RD/RAWP. Pulling the 6 Small Volume Sites with radium forward for non-time-critical removal action to move more efficiently through property transfer.	Final issued mid-May 2012. Magpie Creek field work began this month. Building 252 demolition underway; Other sites to follow through summer 2012. Dudley site work completed Fall 2011 to facilitate county roadway improvement project.	FOSET #2
3	FOSET #2 (Finding of Suitability for Early Transfer)	Documents the environmental restrictions in support of an early transfer of property. Includes 120 sites (primarily from Small Volume Sites ROD, Building 252, and some Follow-on Strategic Sites).	Air Force signed in May 2012. Governor's signature to follow by September 2012. Other documents in package include Administrative Order on Consent (County 30-day comment period this summer) and Environmental Services Cooperative Agreement.	FOSET #2
4	Follow-On Strategic Sites Remedial Investigation Characterization Summary/Feasibility Study	Details investigation results and evaluates cleanup alternatives for additional landfill and soil sites (108 sites).	Final expected late June 2012.	FOSET #3
5	Focused Strategic Sites ROD	Documents cleanup decision for 11 sites, including fire training area, small arms firing range, and large landfills.	Air Force signed February 3, 2012. EPA and State signed in April. Performance-based contract for remedial design and remedial action expected to be awarded in late June.	FOSET #3
6	Ecological Sites Record of Decision (ROD)	Documents cleanup decision for Ecological Sites.	DTSC requested informal dispute resolution proceedings to resolve a disagreement over on-base and off-base creek cleanup. Meeting set for June 22 to either resolve informally or go to formal dispute.	FOSET #3

8	Follow-on Strategic Sites (FOSET #3) NTCRA Action Memo	Characterizes 19 sites with radiological contamination. Establishes remedial action objectives (RAOs) for cleanup. Analyzes, compares, and recommends alternatives to achieve the RAOs. Takes the place of the ROD in the CERCLA process. Air Force pulling removal action ahead of FOSET process to facilitate property transfer.	Final issued early June 2012.	FOSET #3
9	Follow-on Strategic Sites (FOSET #3) NTCRA Work Plan	Specifies the cleanup actions for these sites. Takes the place of the RD/RAWP in the CERCLA process.	Draft issued late May 2012. In agency review. Field work expected to begin Summer 2012.	FOSET #3
10	Follow-on Strategic Sites Proposed Plan	Presents Air Force's preferred cleanup alternatives for additional landfill and soil sites (79 sites).	Draft in agency review. Public comment period on Final expected in October 2012.	FOSET #3

Attachment 5

American River Basin
Council of Watersheds
Low Impact Development Seminar
October 6, 2010

Sacramento County DOT
Freedom Park Drive (FPD)
Green Street Project

FREEDOM PARK DRIVE



32nd St

34th St

Watt Ave

PROJECT SCOPE - FPD

- Sewer & water infrastructure to support more dense land uses in the North Highlands Town Center (NHTC)
- 8' wide landscaped median
- Separated sidewalks with a landscape strip between the back of curb and sidewalk
- Bike & pedestrian facilities.
- Full ADA compliance
- Undergrounding of overhead utility lines (except 69kV)
- Decorative street lighting
- Roundabouts at 34th/FPD & 32nd/FPD. Benefits include:
 - Improved traffic flow and reduced emissions vs all-way stop
 - Reduce number/severity of crashes vs all-way stop
 - Speed control on this long, straight, collector road
 - Additional landscaping opportunities

COMPLETE STREET AND GREEN STREET ELEMENTS

- Landscaped median will also serve as a water quality swale to remove pollutants from roadway drainage.
- The landscaped area between the back of curb and the sidewalk will also serve as a water quality planter to remove pollutants from roadway and sidewalk drainage.
- Interpretive and educational signage will be provided.
- Rubberized asphalt will be used for roadway paving.
- LED will be used for street lights. This will reduce energy consumption/cost vs traditional high-pressure sodium fixtures.
- Replacing all-way stops with roundabouts will reduce emissions.
- On-street bike lanes and sidewalks provided throughout.
- Full ADA compliance

OTHER PROJECT BENEFITS

- This will be the first complete, green street in the unincorporated area of Sacramento County.
- This project will provide an opportunity to implement green street storm water improvements and to evaluate how these features can be utilized in other areas of the County.
- This project will provide decision makers in the County and other jurisdictions in the region with a real world example of how green street features can be incorporated into future projects.
- The project will complement similar green features at the nearby Aerospace Museum.
- In addition to being a green street, Freedom Park Drive will also be a complete street that will create a sense of place and will encourage walking and biking by residents.

IMPROVED ADAPTABILITY TO CLIMATE CHANGE

- Roundabouts will produce fewer auto emissions than the existing all-way stops.
- 20% less heat producing pavement
- New tree canopy will reduce the heat island effect.
- Rubberized asphalt will further reduce the heat island effect

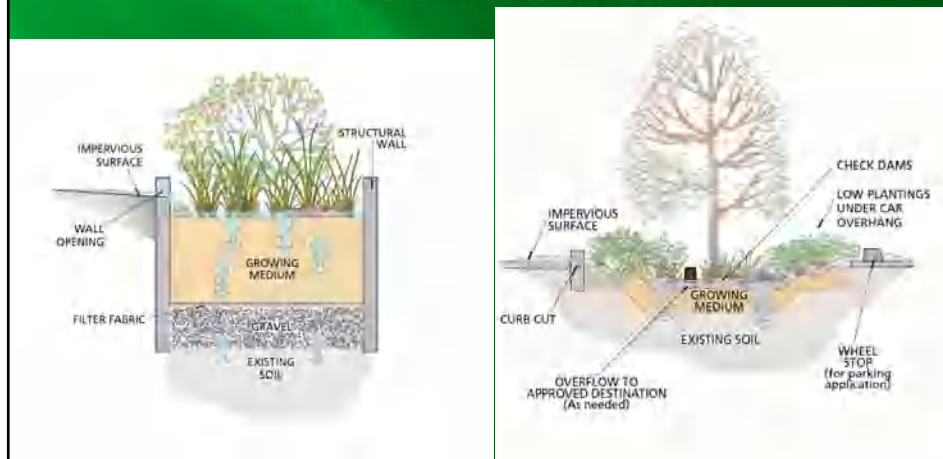
Water Conservation

- Sacramento County projects are bound by the State mandate of AB 1881 requiring the reduction of water use through practice and design.
- We will be utilizing small, adjustable rotary nozzles that distribute water slowly and evenly allowing the water to soak into the soil. The nozzles will be adjusted to avoid spray onto streets and sidewalks.
- Applying the water slowly to soak into the soil proper spray adjustment will also reduce run-off.
- The project will utilize "Smart" irrigation controllers communicate with local weather stations and adjust the system accordingly. On hot days it may apply slightly more water than scheduled, on rainy days it will not water.
- A water audit will be performed to fine tune the system and assure the system is operating efficiently.
- High water use plant material, such as lawn will be avoided in order to keep the overall water use of the landscape down.

River Friendly Guidelines

- As with water conservation and AB1881, many of the concepts in the River Friendly Guidelines book are already part of Sacramento County's daily considerations when designing a project
- By filtering the runoff from paved surfaces through flow-through stormwater planters, pollutants will be filtered out before reaching traditional stormwater and natural drainage systems.
- By selecting plant material that will "fit" the planters at maturity, and omitting the use of lawn, maintenance will be reduced.
- As with maintenance, the proper plant selection will provide benefit by requiring less pruning of plants and reducing landfill debris.
- By providing shade and absorbing Co2, trees benefit the project by helping to cool pavement surfaces and reducing pollutants.

CROSS SECTIONS



Stormwater Planter

Vegetated Swale

Plant Palette

Plant Palette for Freedom Park Drive Green Complete Street Demonstration Project

TREES				
Code	Scientific Name	Common Name	Planting Size	Quantity
AcM	<i>Acer rubrum</i>	Red Maples	30" B.O.D.	10
CoLO	<i>Cornus spicata</i>	Common Spicebush	30" B.O.D.	24
BeRt	<i>Betula nigra</i>	River Birch	30" B.O.D.	30
MaGR	<i>Magdalenia grandiflora</i>	Greater Magnolia	24" B.O.D.	16
TuPl	<i>Taxus spicata</i>	White Pine	30" B.O.D.	16
Phoc	<i>Pinus strobus</i>	White Pine	30" B.O.D.	16
SHRUB/PERENNIAL				
Code	Scientific Name	Common Name	Planting Size	Quantity
ClBG	<i>Coreopsis grandiflora</i>	Golden Breeze	1-4ft	2245
HeCO	<i>Hemerocallis</i>	Daylily	1-4ft	662
LuCY	<i>Lupinus cylindrus</i>	Cylindrical Lupine	1-4ft	716
LuGG	<i>Lupinus</i>	Lupine	1-4ft	1007
LuVl	<i>Lupinus</i>	Lupine	1-4ft	616
MyE	<i>Myrica</i>	Myrica	1-4ft	22
StM	<i>Stachys</i>	Stachys	1-4ft	1004
PaH	<i>Panicum</i>	Panicum	1-4ft	1117
PhO	<i>Phlox</i>	Phlox	1-4ft	22
GROUND COVER				
Code	Scientific Name	Common Name	Planting Size	Quantity
AE	<i>Arenaria</i>	Arenaria	1-4ft or 30" O.C.	150
Er	<i>Eriogonum</i>	Eriogonum	1-4ft or 30" O.C.	118





RESOURCES

- Stormwater Quality Design Manual for the Sacramento and South Placer Regions, May 2007 co-author Dalia Fadl, Sac County DWR
- 2008 Stormwater Management Manual, Portland Bureau of Environmental Services



PROJECT SCHEDULE

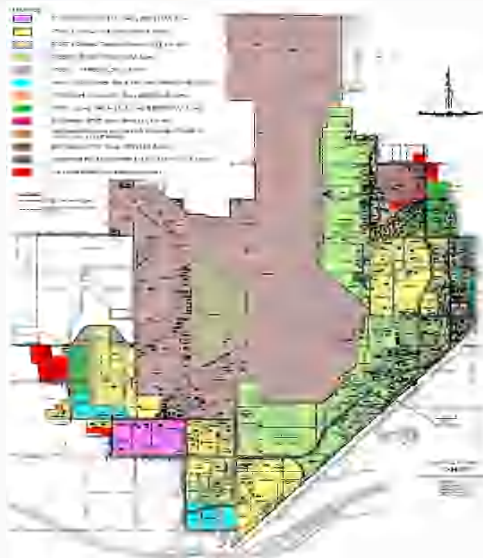
- Complete Phase I Construction (Water & Sewer) – 10/29/10
- Complete Phase II Design – 11/30/10
- Begin Phase II Construction – 4/1/11
- Complete Phase II Construction – 10/30/12

PROJECT PARTNERS

Delivery of this project is possible due in large part to the cooperative effort of our project team including the following:

- Sacramento County Department of Transportation (SacDOT)
- Sacramento County Department of Planning and Community Development
- Sacramento County Department of Water Resources
- Sacramento Housing and Redevelopment Agency (SHRA)
- SACOG
- Sacramento Municipal Utility District (SMUD)
- Sacramento Suburban Water District
- Sacramento Area Sewer District (SASD)
- Sacramento County Department of Water Quality
- North Highlands Recreation and Park District
- Aerospace Museum of California
- Strategic Growth Council

June 19, 2012



PCBs and mercury
360 cubic yards



- excavation and disposal with ICs remedy selected by Air Force
 - site has been excavated and backfilled
 - site restoration is underway
 - expect approval of closure report by end of June
- 2



FOSET #1 - Initial Parcel #3

EPA Record of Decision

- 49 industrial sites
- Updated cleanup levels to meet State requirements
- 41 sites: Excavation, Engineering & Institutional Controls
- Approved MBP DMEA building permit
- EPA to sign ROD around June 30



3



FOSET #1 - Group 4 Sites

Project Update



- EPA and the State approved the Conceptual Site Model and Summary of Existing Data Report for these 16 sites in February
- Received MBP request to omit & combine certain RI/FS tasks in late April and approved in 2 weeks
- EPA is awaiting a revised Group 4 sites project schedule requested in approval letter
- McClellan Business Park is now working on the combined Group 4 sites RI/FS (most recent estimate - November)



FOSET #2

Ongoing Transfer Work / Anticipated Completion

- 6/30: AOC signed by EPA, MBP, DOJ, and State
- 6/30: ESCA signed by AF and Sacramento County
- 6/30: MRA signed by Sacramento County and MBP
- 7/30: Federal Register publication of AOC
- 9/30: Governor Brown approves transfer and SLUC deeds



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Site Overview Webpage

www.epa.gov/region09/McClellanAFB



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Attachment 7

McClellan Follow-on Strategic Sites

Air Force Real Property Agency
Steve Mayer
Base Environmental Coordinator



June 19, 2012

Follow-on Strategic Sites



- 79 sites in Air Force Proposed Plan
 - 108 sites in Feasibility Study
 - EPA will complete Proposed Plan and Record of Decision for 29 sites in FOSET #2
 - Sites include:
 - Former aircraft repair, testing, and support facilities
 - Fuel storage and distribution facilities
 - Warehouses
 - Storage areas
 - Waste handling, treatment and disposal areas

Follow-on Strategic Sites



- Many sites have contaminants in both soils and shallow soil gas
- Radium contaminants addressed through non-time critical removal actions
- Groundwater contaminants addressed in 2007 Groundwater Record of Decision
- Last planned Air Force ROD for contaminated soil at McClellan

Contaminants of Concern



- Shallow soil gas contaminants: Volatile organic compounds (VOCs)
 - TCE
 - Carbon tetrachloride
 - Benzene
 - Chloroform
 - PCE

Contaminants of Concern



- Soils contaminants: Non-volatile organic compounds (non-VOCs)
 - Metals
 - Cadmium
 - Lead
 - Total petroleum hydrocarbons (TPH)
 - Semi-volatile organic compounds
 - PAH: naphthalene, benzo(a)pyrene
 - Radium

Follow-on Strategic Sites RI/FS



- Presents data collected from mid 1990s through 2011
- Analyzes risks to human health and the environment
- Establishes cleanup goals
- Evaluates cleanup options to be carried forward to Proposed Plan
- Recommends some sites as “no further action”

Cleanup Goals



- ☐ Protect human health
- ☐ Protect surface water and groundwater quality
- ☐ Protect the environment

Alternatives Evaluated



- ☐ Institutional controls
- ☐ Soil vapor extraction
- ☐ Bioventing
- ☐ Excavation
- ☐ Composite cap

EPA Evaluation Criteria



Each site evaluated independently for all applicable alternatives

- ☐ Overall protectiveness of human health and the environment (including groundwater)
- ☐ Compliance with state and federal environmental requirements
- ☐ Long-term effectiveness
- ☐ Reduction of toxicity, mobility or volume of contaminants through treatment
- ☐ Cost
- ☐ Short-term effectiveness
- ☐ Implementability
- ☐ State acceptance
- ☐ Community acceptance

Draft Proposed Plan Preferred Alternatives

- ☐ Some "No Further Action"
 - Contaminant concentrations do not pose unacceptable risk
- ☐ Some will have remedies for both soil and soil gas contaminants



Next Steps



- Final Feasibility Study: June 2012
- Draft Proposed Plan in regulatory review
- Final Proposed Plan and public comment period: October 2012
- Record of Decision: 2013
- Field work: 2014 - 2015

Questions
and
Discussion



FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE